

SANYO

No.2794

DSM10

Silicon Diffused Junction Type

1.0A Power Rectifier

Features

- Meets the requirements for automatic mounter and permits DSM10-applied sets to be made smaller
- Peak reverse voltage : $V_{RM} = -200$ to $-600V$
- Average rectified current : $I_0 = 1.0A$

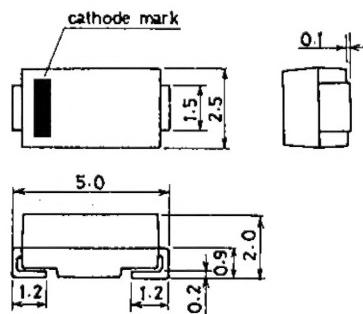
Absolute Maximum Ratings at $T_a = 25^\circ C$

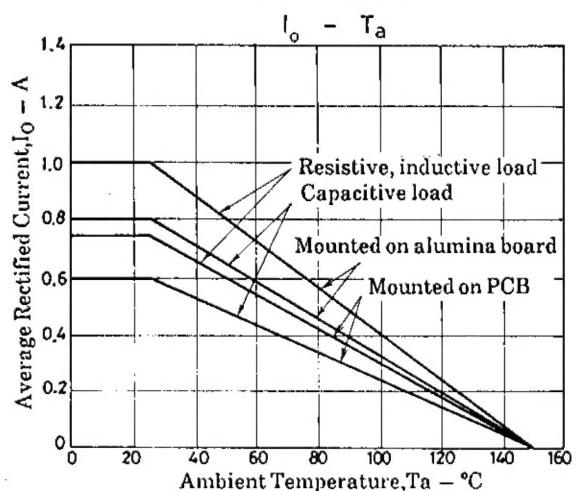
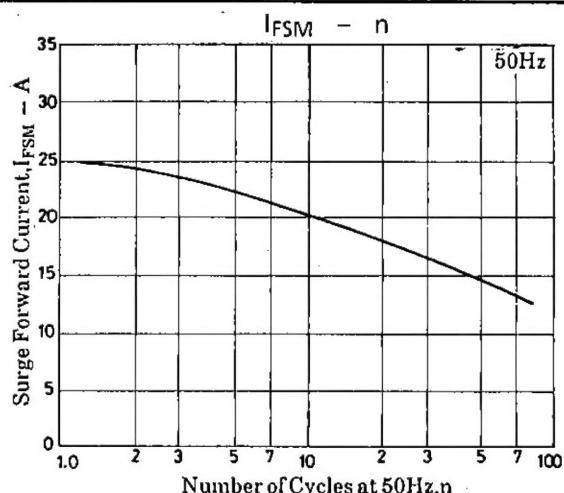
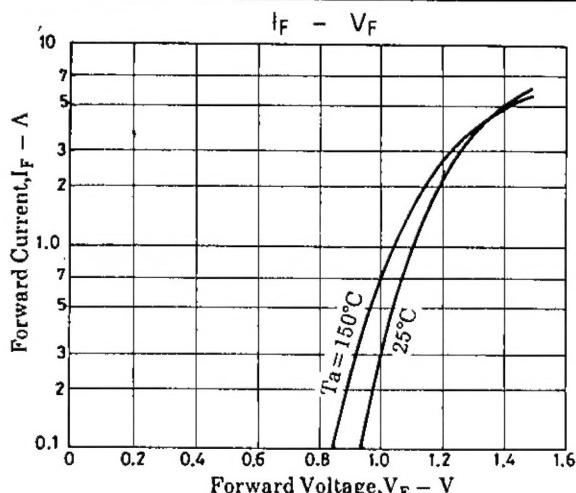
		DSM10C	DSM10E	DSM10G unit
Peak Reverse Voltage	V_{RM}	-200	-400	-600 V
Average Rectified Current I_0	50Hz sine wave,mounted on alumina board	→	→	1.0 A
Surge Forward Current I_{FSM}	Load resistor,mounted on PCB 50Hz sine wave, non-repetitive,1 cycle peak value	→	→	0.75 A 25 A
Junction Temperature T_j		→	→	150 °C
Storage Temperature T_{stg}		→	→	-55 to +150 °C

Electrical Characteristics at $T_a = 25^\circ C$

		min	typ	max	unit
Forward Voltage V_F	$I_F = 1A$			1.1	V
Reverse Current I_R	$V_R = V_{RM}$			-10	μA
Thermal Resistance θ_{j-l}	θ_{j-l} Junction-Lead θ_{j-a} Junction-Ambient	23 °C/W		108 °C/W	
	Mounted on alumina board Mounted on PCB			157 °C/W	

Package Dimensions 1188 (unit: mm)





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